

WHAT IS CLAIMED IS:

1. A fire-protection glass product having a heat shielding characteristic, comprising:

a plurality of fireproof glass plates;

*SUB
B17*
a resin intermediate layer interposed between adjacent ones of said glass plates;

a heat-ray reflection film formed on the surface of at least one of said glass plates and having a reflectance of 70% or more for a light of the wavelength of 2500nm and an average transmittance of 60% or more for visible rays.

2. A fire-protection glass product as claimed in claim 1, wherein at least one of said fireproof glass plates is made of a heat-resistant transparent crystallized glass.

3. A fire-protection glass product as claimed in claim 1, wherein said resin intermediate layer is made of a material selected from fluorocarbon resin, polycarbonate resin, and polyethylene terephthalate resin.

Sub A1
4. A fire-protection glass product as claimed in claim 1, wherein said heat-ray reflection film is formed on at least one of opposite surfaces of said fireproof glass plates.

5. A fire-protection glass product as claimed in claim 1, wherein said heat-ray reflection film is made of a material selected from indium oxide containing tin, antimony oxide containing tin, tin oxide containing fluorine, and tin oxide containing antimony.

6. A fire-protection glass product as claimed in claim 1, wherein said heat-ray reflection film has a thickness between 1000 Å and 15000 Å.

7. A fire-protection glass product as claimed in claim 1, wherein said heat-ray reflection film has a reflectance of 50% or more for a light of a

wavelength of 1500nm and 80% or more for a light of a wavelength of 3000nm, and an average reflectance of 15% or less for visible rays.

8. A fire-protection glass product as claimed in claim 1, ~~said glass~~ product having a double ^{glazing} ~~grazing~~ structure including an additional glass plate attached through an air layer.

R&P
10/19/01

Add A2